



High Impact Technology Exchange Conference

Educating America's Technical Workforce

Fairmont Scottsdale (Arizona)

July 19–22, 2009

Title: Microsystems (MEMS) Innovators Wanted—It's You!

Date/Time: Monday, July 20, 8:30 AM – 12:00 PM

Location: Fairmont Scottsdale Resort

Description: In this workshop, participants will be a part of a team that designs and develops a MEMS (Micro Electro Mechanical Systems) device for a specific problem in one of three fields: biomedical, environmental or consumer product. Once the MEMS device is designed, each team will develop a process flow which addresses the fabrication building blocks needed to build the MEMS device. This workshop engages all participants in a problem-solving session in which everyone contributes their knowledge of MEMS, fabrication or design. This workshop can be a model for both industry brainstorming sessions and a project-based learning exercise in emerging technology courses.

Presenters:

Matthias Pleil, Southwest Center for Microsystems Education

Barbara Lopez, University of New Mexico

MJ Willis, MJ Consulting



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